

Subject Index—Volume 1**A**

- Abdominal Abscess, ^{67}Ga imaging in, 271
 Abscess,
 abdominal, ^{67}Ga imaging in, 271
 actinomycotic liver, imaging with ^{67}Ga in, 263
 amebic, liver imaging in, 10
 hepatic, ^{67}Ga imaging in, 271
 lumbar, ^{67}Ga imaging in, 271
 paracolic, ^{67}Ga imaging in, 271
 pelvic, ^{67}Ga imaging in, 271
 perinephric, imaging with ^{99m}Tc -labeled granulocytes in, 118
 subphrenic, ^{67}Ga imaging in, 271
 Accessory spleen,
 demonstration with ^{99m}Tc -sulfur colloid imaging of, 62
 Actinomycosis of liver, ^{67}Ga imaging in, 263
 Adenoma, adrenal cortical adrenal imaging in, 150
 Adenoma, hepatic
 editorial, 134
 liver imaging in, 108
 Adrenal imaging
 normal adrenal gland in, 150
 cortical adenoma in, 150
 metastases in, 150
 Amebic abscess, liver imaging in, 10
 Aneurysm,
 left internal carotid artery, 173
 left ventricular
 positive myocardial imaging in, 91
 radionuclide angiography and gated cardiac imaging in, 144
 Angiocardiography, radionuclide
 acute myocardial infarction imaging and, 141
 assessing left ventricular wall motion and ejection fraction with, 191
 automated selection of regions of interest for the generation of time-activity curves and parametric image display and interpretation in, 99
 hemopericardium in, 142
 Angiography, radionuclide
 anterior cerebral artery occlusion in, 169
 arteriovenous malformation in, 30, 75, 173
 automated selection of regions of interest for the generation of time-activity curves and parametric image display and interpretation with, 99
 brain imaging and, 26, 166
 carotid-cavernous fistula in, 78
 cerebral, 166
 cerebellar, normal, 166
 common carotid artery occlusion in, 30, 168
 demonstration of external carotid artery with, 75
 dynamic cerebral imaging with, 166
 epidermoid cyst of spleen in, 60
 glioblastoma in, 172
 hemangioma of skull in, 176
 hepatic adenoma in, 108
 inferior myocardial infarction in, 143
 intracerebral hematoma in, 175

- internal carotid artery occlusion unilateral in, 169
 left ventricular aneurysm in, 144
 luxury perfusion in, 169
 meningiomas in, 41, 172
 middle cerebral artery occlusion in, 168
 pancreatic pseudocyst in, 145
 posterior cerebral artery occlusion in, 169
 post-infectious encephalomyelitis and increased blood flow in, 233
 renal infarction in transplanted kidney in, 122
 subclavian vein obstruction in, 143
 subdural hematoma in, 174
 vein of Galen malformation in, 211
 Anterior cerebral artery occlusion,
 radionuclide angiography in, 169
 Arteriovenous malformation, brain imaging in, 30
 radionuclide angiography in, 30, 75, 73
 vein of Galen malformation in, 211
 Artifacts, imaging.
 Mach bands causing, 213
 Ascites, reduced activity with ^{67}Ga imaging in, 271
 Atresia, congenital biliary
 ^{131}I -rose bengal in the diagnosis of, 179
 Atrophy
 cortical, bilateral subdural hematomas simulating, 156
 ASHD (unstable) in myocardial imaging, 5

B

- Bands, Mach
 imaging artifacts caused by, 213
 Biliary atresia, congenital
 ^{131}I -rose bengal in the diagnosis of, 179
 Biliary tract disease
 ^{131}I -rose bengal in the diagnosis of, 179
 Bone imaging
 compression of small and large field of view cameras in, 226
 fractures in, 18, 251
 polyostotic fibrous dysplasia in, 215
 reduced uptake of bone-seeking radiopharmaceuticals related to iron excess in, 226
 sensitivity vs. x-ray in fractures in, 18
 skeletal metastases from carcinoma of breast in, 13
 Book reviews
 DeBlanc HJ, Sorenson JA (Eds): Noninvasive Brain Imaging: Computed Tomography and Radionuclides. Reviewed by Roland Bramlet, 136
 Freeman LM, Johnson PM (Eds): Clinical Scintillation Imaging. Reviewed by Gould A. Andrews, M.D., 279
 Brain imaging
 anterior cerebral artery occlusion in, 169
 arteriovenous malformation in, 30, 73, 75
 brain tumors in,
 general, 26
 glioblastoma, 172
 meningioma, 41, 172
 metastases from carcinoma of lung, 93
 neuroblastoma, 34
 carotid cavernous fistula in, 78



cerebral infarction in, 26
 common carotid artery occlusion in, 30, 168
 comparison with CT scans in posterior fossa lesions and, 236
 cortical atrophy simulating bilateral subdural hematomas in, 156
 demonstration of external carotid artery in, 75
 delayed, 28
 glioblastoma multiforme in unusual presentation of, 265
 hemangioma of skull in, 176
 internal carotid artery aneurysm in, 173
 internal carotid artery occlusion, bilateral, in, 170
 internal carotid artery occlusion, bilateral, in 169
 intracerebral hematoma in, 175
 "luxury perfusion" in, 169
 middle cerebral artery occlusion in, 168
 posterior cerebral artery occlusion in, 169
 post-infectious encephalomyelitis in,
 regional increased perfusion of, 233
 rim and "doughnut" signs in, 186
 subdural hematoma in, 174
 ^{99m}Tc -DTPA in, 26, 34, 41, 156
 ^{99m}Tc -sodium pertechnetate in, 26, 93, 97, 166, 233, 236
 vein of Galen malformation in, 211
 ventriculitis in, 97
 Brain tumor imaging
 general, 26
 glioblastoma, 172, 265
 meningioma, 41-44, 172-173
 metastases from carcinoma of lung, 93
 neuroblastoma, 34

C

Carbuncle, renal,
 ^{67}Ga imaging in, 271
 Carcinoma
 Oat cell of lung
 liver imaging in regression of metastases after chemotherapy in, 82
 imaging with ^{67}Ga -gallium citrate in, 127
 lung, incidence of brain metastases in, 93
 colon, localization of metastases to liver in, 165
 Carotid artery, common, occlusion, 30, 168
 Carotid artery, external
 demonstration on radionuclide angiography, 75
 Carotid artery, internal
 unilateral occlusion of, 169
 bilateral occlusion of, 170
 aneurysm of, 173
 Cartilage, costal, calcified
 false positive myocardial imaging with, 159
 Cerebral artery, anterior
 occlusion of, 169
 Cerebral artery, middle
 occlusion of, 168
 Cerebral artery, posterior
 occlusion of, 169
 Cerebral radionuclide angiography, normal, 166
 Chemotherapy
 Regression in hepatic metastases from oat cell carcinoma, 82
 Cholangiopathy obstructive
 ^{131}I -rose bengal in the diagnosis of, 179
 Choledocal cyst
 ^{131}I -rose bengal imaging and ultrasound in, 113

Cholestatic jaundice
 ^{131}I -rose bengal in the diagnosis of, 179
 Cholesty ramine
 ^{131}I -rose bengal excretion test with, 179
 Common carotid artery
 occlusion of, 31, 168
 Computer application
 radionuclide angiography and automated selection of regions of interest, 99
 single transit non-gated radionuclide angiography for assessing left ventricular wall motion and ejection fraction, 191
 comparison of CT scans and radionuclide imaging in posterior fossa lesion, 236
 Congenital biliary tract disease
 ^{131}I -rose bengal in the diagnosis of, 179
 Congenital heart disease
 radionuclide angiography in, 99
 Cortical atrophy simulating bilateral subdural hematomas, 156
 Costal cartilages, calcified
 Crohn's disease
 imaging with ^{67}Ga -gallium citrate in, 125
 Cyst,
 hepatic, liver imaging in, 10
 epidermoid of spleen, ^{99m}Tc -O₄ angiography and ^{99m}Tc -sulfur colloid liver imaging in, 60
 choledochal, ultrasound and ^{131}I -rose bengal imaging in, 113
 abdominal (secondary to subdiaphragmatic hematoma),
 ^{67}Ga -gallium citrate imaging in, reduced central activity in DGP, 7
 Cystadenoma of larynx, ^{99m}Tc -sodium pertechnetate imaging in, 230

D

Dacryocystography, nuclear, 83
 Delayed blood pool clearance and false positive myocardial infarct imaging, 45
 Delayed brain imaging, 26
 Diffusion hepatography using ^{99m}Tc -Sodium pertechnetate, 10
 Diverticulum, infected, ^{67}Ga imaging in, DGP 21
 "Doughnut" and rim signs in brain imaging, 186
 Dynamic cerebral imaging (radionuclide angiography), 166

E

Editorials
 Which radioisotope for diagnosis of thyroid disorders?, 217
 A new journal, 1
 myocardial imaging, 38
 sophisticated brain imaging, 40
 benign hepatic adenoma, 134
 imaging inflammatory lesions, 135
 Ejection fraction
 determination of, single transit non-gated angiography in the, 191
 Encephalomyelitis, increased blood flow in, 233
 Epidermoid cyst of spleen,
 radionuclide angiography and spleen imaging in, 60
 Excretion test, ^{131}I -rose bengal
 diagnosis of congenital biliary tract disease with, 179

Exercise testing

false positive myocardial infarct imagings and, 45
usefulness of ^{201}TI imaging in, 219

External carotid artery
demonstration of, 75

F

False positive and negative thyroid imaging
 ^{99m}Tc -sodium pertechnetate and, 217

False positive brain imaging
cortical atrophy simulating bilateral subdural hematomas, 156

False positive liver imaging due to renal impression, 64
False positive myocardial infarct imaging with ^{99m}Tc -pyrophosphate, 45, 159

False positive thyroid imaging
 ^{99m}Tc -sodium pertechnetate and, 204

Fibrous dysplasia
bone imaging in, 215

Fractures, ^{99m}Tc -pyrophosphate bone imaging in, 18, 251

Free T3 index
in pregnancy, 2, 210

Free T4 index
in pregnancy, 206

G

Galen, vein, malformation of,
demonstration on radionuclide angiography of, 211

Gallbladder imaging
 ^{99m}Tc -pyrodoxylidene glutamate in, 70

^{67}Ga -gallium citrate imaging
abdominal abscess in, 271
actinomycosis of liver in, 263
ascites and reduced activity in, 21
clinical compendium of inflammatory diseases with in, 271
Crohn's disease in, 125
cystic lesion (secondary to subdiaphragmatic hematoma)
with absent central activity in, 260

infected diverticulum in, 271

liver abscess in, 271

localization in tumors, inflammatory lesions in, 135
lumbar abscess secondary to disc surgery in, 271

lung tumor in, 131

oat cell carcinoma of lung in, 127

pancreatic abscess in, 271

pancreatic inflammation in, 271

pancreatic pseudocyst in, 269

pancreatitis in, 271

pelvic abscess in, 271

renal carbuncle in, 271

splenic infarction and reduced activity in, 271

subphrenic abscess in, 271

surgical changes in, 271

tuberculous pericarditis in, 271

tubo-ovarian abscess in, 271

Gated cardiac imaging

left ventricular aneurysm demonstrated in, 144
hemopericardium demonstrated in, 142

Glioblastoma
radionuclide angiography in, 172
unusual presentation on serial scintiscans of, 265

Goiter, obstruction of left brachiocephalic vein due to, detection on radionuclide venography of, 246

H

Hand radiation exposure and syringe shields, 56

Hemangioma

skull, radionuclide angiography in, 176

Hematoma

intracerebral, radionuclide angiography in, 175

subdiaphragmatic and ^{67}Ga -gallium citrate imaging, 260

subdural, radionuclide angiography in, 174

subdural, simulated by cortical atrophy, 156

Hemochromatosis

reduced uptake of bone-seeking radiopharmaceuticals related to iron uptake in, 267

Hemosiderosis

reduced uptake of bone-seeking radiopharmaceuticals related to iron uptake in, 267

Hernia

diaphragmatic, liver imaging in, 80

umbilical and liver imaging in Hunter's syndrome, 36

Hunter's syndrome, umbilical herniation seen on liver imaging in, 36

Hyperplasia, nodular

thyroid imaging of

comparison of ^{131}I -sodium iodide and ^{99m}Tc -sodium pertechnetate in, 204

I

Imaging. *See also particular organ or system imaged or scanned.*

^{113m}In

in hepatic perfusion studies, 10

Infarction, myocardial

imaging with ^{99m}Tc labeled phosphates, 2

imaging with ^{99m}Tc -pyrophosphate, 38

imaging with ^{201}TI -thallium chloride, 38

Infarction, renal

imaging with ^{131}I -Hippuran and ^{99m}Tc -sodium pertechnetate, 122

Infarction, splenic

^{67}Ga imaging and reduced activity in, 271

Inflammatory lesions, imaging with ^{67}Ga -gallium citrate involvement in Crohn's disease, 125

localization, 135

actinomycosis of liver, 263

clinical compendium of, 271

Inflammatory lesions, imaging with ^{99m}Tc -sulfur colloid labeled granulocytes, 118

Internal carotid artery

aneurysm of, 173

occlusion of, bilateral, 170

occlusion of, unilateral, 169

Intracerebral hematoma, 175

^{125}I -rose bengal

compared to ^{131}I -rose bengal in excretion test, 184

^{123}I -sodium Iodide

comparison with ^{99m}Tc -sodium pertechnetate and ^{131}I -sodium iodide for thyroid uptake and imaging, 217

^{125}I -rose bengal

compared to ^{131}I -rose bengal in excretion test, 184

^{131}I -Hippuran

imaging renal infarction along with ^{99m}Tc -sodium pertechnetate in transplanted kidney using, 122

^{131}I -19-iodocholesterol

adrenal imaging with, 150

¹³¹I-rose bengal

choledochal cyst diagnosis along with ultrasound and, 113
 compared to ^{99m}Tc-pyridoxylidene glutamate in the differential diagnosis of jaundice using, 70
 diagnosis of congenital biliary tract disease with, 179
 transudation ("weeping") from liver in hepatic imaging with, 162

¹³¹I-sodium iodide

comparison with ^{99m}Tc-sodium pertechnetate and ¹²³I-sodium iodide for thyroid uptake and imaging, 217
 comparison with ^{99m}Tc-sodium pertechnetate in thyroid imaging of nodular hyperplasia, 204
 Iron excess and reduced uptake of bone seeking radiopharmaceuticals, 267

J**Jaundice**

¹³¹I-rose bengal test in congenital biliary tract disease and, 179
^{99m}Tc-pyridoxylidene glutamate imaging in differential diagnosis of, 70

K**Kidney, carbuncle of,**

⁶⁷Ga imaging in, 21
Kidney imaging
 renal impression on liver imaging and, 64
 renal infarction in, 122

Kidney, uptake of ^{99m}Tc-sulfur colloid in,**L**

Lacrimal drainage, apparatus, radionuclide imaging of, 83
Lady-bug sign of scrotal hydrops, scrotal imaging in, 35
Larynx, cystadenoma of, imaging with ^{99m}Tc-sodium pertechnetate in, 230

Left ventricular aneurysm

radionuclide angiography in, 144
Left ventricular wall motion
 assessing with single transit non-gated radionuclide angiography, 191

Liver abscess,

⁶⁷Ga imaging in, 271
Liver function studies with ¹³¹I-rose bengal,
 diagnosis of congenital biliary tract disease with, 179
Liver imaging
 amebic abscess in, 10
 actinomycosis in, 263
 chemotherapy for metastases, 82
 choledochal cyst, 113
 congenital biliary tract disease in, 179
 congenital solitary cysts, 10
 differentiating abscess and cyst, 10
 false positives in,
 due to renal impression, 64
 hepatic adenoma, 108
 oat cell carcinoma, before and after superior vena cava obstruction, "hot" spot with, 258
 transudation ("weeping") of ¹³¹I-rose bengal, 162
 traumatic hemidiaphragmatic liver hernia, 80
Lumbar abscess, ⁶⁷Ga imaging in, 271
Lung
 carcinoma of, incidence of brain metastases in, 93
 oat cell carcinoma of, liver imaging in regression of hepatic metastases before and after chemotherapy in, 127

M**Meckel's diverticulum of ileum**

imaging with ^{99m}Tc-sodium pertechnetate before and after perchlorate administration, 132

Meningioma, brain imaging in,

172
Meningitis, postlaminectomy
 cerebral ventricular visualization in, 97

Metastases

to adrenal glands, 150
 to brain from carcinoma of lung, 93
 imaging before and after chemotherapy, 82
 to liver from carcinoma of colon, localization of ^{99m}Tc-pyrophosphate in, 165
 from oat cell carcinoma, liver, 263

Middle cerebral artery occlusion,

168
Myelofibrosis
 bone marrow imaging in, 51
 skeletal imaging in, 51

Myocardial imaging

degree of positivity in, 253
 exercise testing in, 39, 219
 false positive due to calcified costal cartilages, 159
 false positive related to delayed blood pool clearance, 45
 left ventricular aneurysm, 91, 144
 myocardial infarction in, 2, 38, 253
 myocardiopathy in, 5
 persistence of abnormal pattern following myocardial infarction, 253
²⁰¹Tl in, 5
 usefulness of ²⁰¹Tl in evaluating myocardial perfusion in, 219

Myocardial imaging (radiopharmaceuticals)

using ^{99m}Tc-labeled phosphates, 2
 using ^{99m}Tc-pyrophosphate, 45
 using ²⁰¹Tl thallium chloride, 39, 219

Myocardial infarction in myocardial imaging, 2, 38, 141**Myocardial perfusion,**

²⁰¹Tl imaging in evaluation of, 219

Myocardiopathy in myocardial imaging, 5**N****Neuroblastoma, brain imaging in,**

34
Nodular hyperplasia, thyroid imaging in
 comparison of ¹³¹I-sodium iodide and ^{99m}Tc-sodium pertechnetate, 204

O**Oat cell carcinoma of lung**

regression of hepatic metastases after chemotherapy in, liver imaging in, 82

Obstructive cholangiopathy,

¹³¹I-rose bengal in the diagnosis of, 179

Osteomyelitis

imaging with ^{99m}Tc-sulfur colloid labeled granulocytes in, 120

P**Pancreas**

pseudocyst, recognition with ⁷⁵Se-seleno-methionine and ^{99m}Tc-sodium pertechnetate imaging, 145

pseudocyst, reduced activity with ^{67}Ga -gallium citrate imaging, 269
 Pancreatitis, ^{67}Ga imaging in, 271
 Paracolic abscess, ^{67}Ga imaging in, 271
 Pelvic abscess, ^{67}Ga imaging in, 271
 Pericarditis, tuberculous, ^{67}Ga imaging in, 271
 Persistence of an abnormal pattern,
 myocardial infarction imaging and, 253
 Posterior cerebral artery
 occlusion of, 169
 Postoperative imaging,
 sequential studies in, 260
 Potassium perchlorate
 and ^{99m}Tc -sodium pertechnetate imaging in Meckel's di-
 verticulum of ileum, 132
 Pregnancy
 in vitro tests of thyroid function in, 206
 Pseudocyst of pancreas
 use of spleen imaging in evaluation, 137
 recognition with ^{75}Se -selenomethionine and ^{99m}Tc -sodium
 pertechnetate imaging, 145
 Pseudoxanthoma elasticum, accumulation of ^{99m}Tc -PYP in
 skin lesions of, 245
 Psychophysical imaging artifacts
 Mach bands causing, 213

R

Radiation exposure and syringe shields, 56
 Radionuclide angiography
 Aneurysm
 internal carotid artery, 173
 left ventricle, 144
 anterior cerebral artery,
 occlusion of, 169
 arteriovenous malformation, 30, 75, 173
 assessing left ventricular wall motion and ejection fraction, 191
 automated selection of regions of interest for the generation of time-activity curves and parametric image display and interpretation, 99
 brain imaging, 26, 166
 carotid-cavernous fistula, 78
 cerebral, normal 166
 demonstrating external carotid artery, 75
 dynamic cerebral imaging, 166
 epidermoid cyst of spleen, 60
 encephalomyelitis, post-infectious, 233
 glioblastoma, 172
 hepatic adenoma, 108
 internal carotid artery
 aneurysm of, 173
 occlusion, bilateral of, 170
 occlusion, unilateral of, 169
 left ventricular aneurysm, 144
 meningomas, 41, 172
 middle cerebral artery, occlusion of, 168
 pancreatic pseudocyst, 145
 posterior cerebral artery, occlusion of, 169
 renal infarction in transplanted kidney, 122
 subclavian vein obstruction, 144
 subdural hematoma, 174
 superior vena cava syndrome, 130
 vein of Galen malformation, 211

Radionuclide venography
 using antegrade and retrograde methods, 198
 obstruction of left brachiocephalic vein by goiter, 246
 superior vena cava obstruction, progression and reversal following radiation therapy, 247
 upper extremity in, 242
 Rim and "doughnut" signs in brain imaging, 186

S

Scrotal hydrops, scrotal imaging in, 35
 Scrotal imaging, 35
 ^{75}Se -selenomethionine
 in pseudocyst of pancreas, 145
 Skull, hemangioma of, 176
 Shunts
 Cardiac, left-to-right, in radionuclide angiocardiography, 99
 Spleen imaging
 accessory spleen in, 62
 epidermoid cyst in, 60
 evaluating pseudocyst of pancreas in, 137
 Splenectomy, imaging accessory spleen after, 62
 Subclavian vein obstruction
 radionuclide angiography, 143
 Subdiaphragmatic hematoma
 ^{67}Ga -gallium citrate and orally administered ^{99m}Tc -sodium pertechnetate in the delineation of, 260
 Subdural hematomas, bilateral
 simulated by cortical atrophy, 156
 Subdural hematoma,
 radionuclide angiography in, 174
 Subphrenic abscess, ^{67}Ga imaging in, 271
 Superior vena cava syndrome
 and hot spot on liver image using ^{99m}Tc -sulfur colloid, 10
 progression and reversal after radiation therapy of, 247
 radionuclide angiography in, 130, 258
 Surgical changes and ^{67}Ga imaging, 271
 Syringe shields and radioiodine exposure, 56

T

T3 by RIA
 in pregnancy, 206
 T3 uptake
 in pregnancy, 206
 T4, total serum
 in pregnancy, 206
 TBG
 in pregnancy, 206
 ^{99m}Tc -diphosphonate
 bone imaging with, 13, 48, 51, 267
 bone metastases from carcinoma of breast, 13
 myelofibrosis, 51
 reduced uptake of bone-seeking radiopharmaceuticals related to iron excess in bone imaging using, 267
 myelofibrosis, 51
 reduced uptake of bone-seeking radiopharmaceuticals related to iron excess in bone imaging using, 267
 skeletal localization in paralyzed limbs, 48
 ^{99m}Tc -DTPA
 brain imaging 26, 34, 41, 156
 cortical atrophy simulating bilateral subdural hematomas, 156
 intracranial neuroblastoma, 34

- kidney imaging, 64
meningiomas, 41
radionuclide angiography
 cerebral 26, 41
 liver in hepatic adenoma, 108
^{99m}Tc-human serum albumin
 hemopericardium in gated blood pool imaging, 142
 left ventricular aneurysm, 144
^{99m}Tc-human serum albumin microspheres
 radionuclide venography using, 198, 247
^{99m}Tc-labeled phosphates
 bone imaging 13, 18, 48, 51, 226, 251, 267
 brain imaging, 27
 diagnosis of left upper quadrant mass, 73
 liver imaging, 165
 myocardial imaging, 2, 38, 45, 91, 141, 253
^{99m}Tc-MAA
 radionuclide venography, 198, 242
^{99m}Tc-methylene diphosphonate
 bone imaging using,
 reduced uptake of bone-seeking radiopharmaceuticals
 related to iron excess in, 267
^{99m}Tc-polypyrophosphate
 diagnosis of left upper quadrant mass, 73
 fibrous dysplasia, 215
^{99m}Tc-pyridoxylidene glutamate
 in liver imaging, 70
^{99m}Tc-pyrophosphate
 accumulation in skin lesions of pseudoxanthoma elasticum, 245
 bone imaging in evaluation of trauma, 18
 bone imaging using,
 reduced uptake of bone-seeking radiopharmaceuticals
 related to iron excess in, 267
 comparison of small and large field of view cameras for
 bone imaging with, 226
 exercise testing, 39
 false positive for myocardial infarction
 related to delayed blood pool clearance, 45
 due to calcified costal cartilage, 159
 imaging of lung tumor with, 258
 left ventricular aneurysm, 91, 144
 liver imaging, metastases from carcinoma of colon, 165
 myocardial infarction, 2
 myocardial imaging, 2, 45, 91, 141, 159
 persistence of an abnormal pattern following acute
 myocardial infarction, 253
 angiography for assessing left ventricular wall motion
 ejection fraction, 191
^{99m}Tc-sodium pertechnetate
 brain imaging, 26, 93, 97, 233, 236, 265
 brain imaging with ventriculitis, 97
 comparison of CT scans and radionuclide brain imaging, 236
 dacryocystography, 83
 detecting obstruction of left brachiocephalic vein by goiter
 using, 246
 imaging cystadenoma of larynx with, 230
 Meckel's diverticulum imaging before and after potassium perchlorate, 132
 oral administration of
 delineation of left subdiaphragmatic hematoma after, 260
 posterior fossa lesions, 236
 radionuclide angiography using
 assessing left ventricular wall carotid-cavernous fistula, 78
 demonstrating external carotid artery, 75
 diffusion hepatography, 10
 dynamic cerebral imaging, 166
 encephalomyelitis, 233
 epidermoid cyst of spleen, 60
 left ventricular aneurysm, 144
 motion and ejection fraction, 191
 pancreatic pseudocyst, DGP 13, 145
 renal infarction in transplanted kidney, 122
 subclavian vein obstruction, 143
 superior vena cava syndrome, 130
 vein of Galen malformation, 211
 scrotal imaging, 35
 thyroid imaging
 compared to ¹²³I and ¹³¹I-sodium iodide, 217
 compared to ¹³¹I-sodium iodide in nodular hyperplasia, 204
 thyroid uptake, 148
^{99m}Tc-sulfur colloid bone marrow imaging in myelofibrosis, 51
^{99m}Tc-sulfur colloid labeled granulocytes for imaging inflammatory lesions, 118
^{99m}Tc-sulfur colloid liver imaging
 amebic abscess, 10
 hepatic adenoma, 108
 hepatic cyst, 10
 "hot" spot in superior vena cava obstruction, 258
 Hunter's syndrome, 36
 regression of hepatic metastases from oat cell carcinoma
 of lung, before and after chemotherapy, 82
 traumatic hemidiaphragmatic hernia, 80
 umbilical herniation, 36
^{99m}Tc-sulfur colloid spleen imaging
 accessory spleen, 62
 epidermoid cyst of spleen, 60
 evaluation of pancreatic pseudocyst, 137
 renal uptake of, 223
²⁰¹Tl-thallium chloride
 exercise testing, 39, 219
 myocardial infarction imaging, 38
 myocardial perfusion with, 219
 usefulness in evaluation of
Thrombi
 radionuclide venography in the detection of, 198
Thyroid function
 in vitro tests in pregnancy, 206
Thyroid imaging
 comparison of ^{99m}Tc-sodium pertechnetate and ¹²³I and
 ¹³¹I-sodium iodide, 217
 nodular hyperplasia
 comparison of ¹³¹I-sodium iodide and ^{99m}Tc-sodium pertechnetate, 204
Thyroid uptake
 comparison of ^{99m}Tc-sodium pertechnetate and ¹²³I and
 ¹³¹I-sodium iodide, 217
Transplanted kidney
 renal infarction imaging of, with ¹³¹I Hippuran and ^{99m}Tc-sodium pertechnetate, 122
Transudation ("weeping") of ¹³¹I-rose bengal in liver imaging, 162
TSH by RIA
 in pregnancy, 206
Tuberculous pericarditis, ⁶⁷Ga imaging in, 271

Tubo-ovarian abscess, ^{67}Ga imaging in, 271

Tumor imaging with ^{67}Ga -gallium citrate

localization, 135

lung, 131

oat cell carcinoma of lung, 127

U

Umbilical herniation seen on liver imaging in Hunter's syndrome, 36

Ultrasound and ^{131}I -rose bengal imaging, 113

V

Vein of Galen malformation

radionuclide angiography in, 211

Ventricle, left

wall motion assessed on

radionuclide angiography of, 191

aneurysm of, 144

Ventriculitis, imaging of ventricular system with ^{99m}Tc -DTPA in, 97

Venography, radionuclide

using antegrade and retrograde methods, 198

obstruction of left brachiocephalic vein by goiter, 246

superior vena obstruction, progression and reversal following radiation therapy, 247

upper extremity, 242

Venous obstruction

radionuclide venography in the detection of, 198, 242, 246

W

"Weeping" (transudation) of ^{131}I -rose bengal in liver imaging, 162

Authors' Index—Volume 1**A**

Ackerhalt, R E, 150
 Alavi, A, 233
 Alexander, J L, 13
 Allen, D M, 156
 Ally, K M, 127
 Alter, A A, 51
 Aronow, W S, 253
 Ashby, D, 226

B

Bakshi, S, 150
 Balachandran, S, 165
 Bardfeld, P A, 236
 Barresi, V, 219
 Barrett, I R, 35
 Bartok, S P, 127
 Baum, D, 99
 Baum, S, 135
 Bay, R, 186
 Belliveau, R E, 78
 Berens, S V, 148
 Blatt, C J, 198
 Bossuyt, A, 245
 Branson, B M, 56
 Braunstein, P, 236
 Brown, W T, 253
 Buckley, M H, 75
 Buozas, D J, 35

C

Caplan, G E, 148
 Chandler, R P, 127
 Chandnani P C, 258
 Chaudhuri, T K, 83
 Chhabria, R B, 258
 Chodos, R B, 263
 Chodos, R B, 125
 Coleman, R E, 45
 Conte, P J, 132
 Cowtan, R J, 93
 Curry, R C, Jr, 91

D

Davis, M A, 267
 Diaz, R, 150
 Di Paola, P, 226
 Dubovsky, E V, 97

E

Earnest, F, IV, 260
 Eckelman, W C, 70
 Edelstyn, G A, 13
 Epstein, D A, 51

F

Fitzer, P M, 60
 Freeman, L M, 198

G

Gillespie, P J, 13
 Goel, V, 125

Goodgame, J, 148
 Goodyear, M, 70
 Gooneratne, N S, 265
 Goris, M L, 99
 Gottlieb, L H, 73
 Guillemont, J G, 78

H

Hannum, J S, 230
 Harrill, J A, 230
 Harsh, G R, 97
 Harwood, S, 113
 Hayt, D B, 198
 Hetzel, K R, 219
 Hilts, S V, 26
 Hisada, K, 18
 Hoffer, P B, 226
 Hopkins, G B, 130
 Hopkins, G B, 141
 Howard, L L, 127
 Hsieh, E, 215
 Hurtig, H I, 233

J

Jackman, W M, 91
 Jackson, F I, 118
 Jackson, F I, 145
 Jones, A G, 267

K

Kamel, N J, 48
 Kan, M K, 130
 Kan, M K, 141
 Kendall, E M, 162
 Kendall, E M, 246
 Kennedy, T D, 122
 Khatib, R, 186
 Kim, E, 159
 Kim, E, 204
 Klein, M S, 45
 Kouseff, B G, 36
 Kriss, J P, 48
 Kriss, J P, 99
 Kriss, J P, 217
 Kumar, B, 204
 Kuperus, J, 253

L

Lee, J I, 242
 Lee, K R, 122
 Lental, B C, 145
 Lental, B C, 118
 Levin, E J, 51
 Lim, M, 18
 Lin, M S, 48
 Lin, M S, 80

Logic, J R, 97
 Long, R F, 148
 Lumicao, B, 219
 Lunia, S, 125
 Lunia, S, 263
 Lyons, K P, 253
 Lyons, K P, 134

M

Martin, N L, 122
 Maynard, D, 230
 Mazzola, A L, 78
 McDougall, I R, 217
 McIlmoyle, G, 267
 McPherson, T A, 118
 Meyers, S N, 219
 Mian, A H, 000
 Moinuddin, M, 75
 Moinuddin, M, 166
 Moinuddin, M, 271
 Moskowitz, H, 162
 Moskowitz, H, 246
 Muss, H B, 93
 Myers, R W, 191
 Myerson, P, 108

N

Nishiyama, H, 56
 Nusynowitz, M L, 206

O

Olson, H G, 253

P

Park, H M, 269
 Parker, J A, 267
 Parker, J A, 137
 Parthasarathy, K L, 150
 Passalaqua, A M, 236
 Pastore, R J, 73
 Patel, H, 198
 Perez, L A, 2
 Pickus, M, 265
 Pinky, S M, 64
 Pinsky, S M, 242
 Plymate, S, 206
 Poley, J R, 179
 Popky, G L, 137
 Poulose, K P, 70
 Prakash, V, 48
 Prather, J L, 206
 Preston, D F, 122
 Prince, J R, 213

Prokop, E, 108
Puri, S, 34
Puri, S, 162
Puri, S, 246

Q

Quinn, J L, III, 265

R

Ramey, D R, 75
Reba, R C, 70
Reddy, K, 198
Robbins, R, 113
Roberts, R, 45
Robinson, R G, 122
Rockett, J F, 75
Rockett, J F, 166
Rockett, J F, 271
Ryerson, T W, 251
Ryo, U Y, 64
Ryo, U Y, 242

S

Scott, J R, 118

Serafini, A, 113
Shafer, R B, 22
Sham, R, 36
Sheldon, J J, 41
Shin-Hwa Yeh, P, 10
Shook, D R, 223
Siddiqui, A, 64
Silver, L, 36
Smith, C W, 179
Smoak, W M, III, 41
Sodd, V J, 56
Sostre, S, 211
Spencer, R P, 34
Spencer, R P, 62
Spencer, R P, 82
Spencer, R P, 108
Spencer, R P, 162
Spencer, R P, 246
Spies, S M, 219
Struse, T B, 247
Sundaresh, R, 263
Suzuki, Y, 18
Sy, W M, 186
Syed, I B, 82
Sziklas, J J, 108

T

Teates, C D, 156
Tow, D E, 267
Turner, J W, 82

V

Verbeelen, D, 245
Villa, M, 150

W

Wagman, E, 215
Wagner, H N, Jr, 38
Wahner, H W, 260
Wallington, J, 99
Washington, A, Jr, 51
Weiss, A N, 45
White, D R, 93
Williams, C C, 56

Y

Younis, M T, 137
Yum, H Y, 64

Z

Zusmer, N, 113

